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* * *	* *	* *	* *	* Welcome to STN International * * * * * * * * * *
NEWS	1			Web Page for STN Seminar Schedule - N. America
NEWS		JUL	28	CA/CAplus patent coverage enhanced
NEWS	3	JUL	28	EPFULL enhanced with additional legal status
				information from the epoline Register
NEWS	4	JUL	28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	5	JUL	28	STN Viewer performance improved
NEWS	6	AUG	01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	7	AUG	13	CA/CAplus enhanced with printed Chemical Abstracts
				page images from 1967-1998
NEWS	8	AUG	15	CAOLD to be discontinued on December 31, 2008
NEWS		AUG	15	CAplus currency for Korean patents enhanced
NEWS	10	AUG	27	CAS definition of basic patents expanded to ensure
				comprehensive access to substance and sequence
				information
NEWS	11	SEP	18	Support for STN Express, Versions 6.01 and earlier,
				to be discontinued
NEWS	12	SEP	25	CA/CAplus current-awareness alert options enhanced
				to accommodate supplemental CAS indexing of
				exemplified prophetic substances
NEWS	13	SEP	26	WPIDS, WPINDEX, and WPIX coverage of Chinese and
				and Korean patents enhanced
NEWS		SEP		IFICLS enhanced with new super search field
NEWS	15	SEP	29	EMBASE and EMBAL enhanced with new search and
110110	1.0	000	20	display fields
NEWS	Тр	SEP	30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-
				language patents
NEWS	17	OCT	0.7	EPFULL enhanced with full implementation of EPC2000
NEWS		OCT		Multiple databases enhanced for more flexible patent
MEMO	10	UCI	0 /	number searching
NEWS	10	OCT	22	Current-awareness alert (SDI) setup and editing
MEND	13	001	22	enhanced
NEWS	20	OCT	22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT
HEND	20	001		Applications
NEWS	21	OCT	24	CHEMLIST enhanced with intermediate list of
112110				pre-registered REACH substances
				pro regrecered nation bubbleances
NEWS	EXP	RESS	JUN	E 27 08 CURRENT WINDOWS VERSION IS V8.3,
				CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.
NEWS	HOUE	RS	ST	N Operating Hours Plus Help Desk Availability
NEWS	LOGI	IN		lcome Banner and News Items
NEWS	IPC8	3	Fo:	r general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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0.21

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STRUCTURE FILE UPDATES: 16 NOV 2008 HIGHEST RN 1072892-84-2 DICTIONARY FILE UPDATES: 16 NOV 2008 HIGHEST RN 1072892-84-2

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Uploading C:\Program Files\STNEXP\Queries\piperidines-N-aryl.str

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chain nodes:
7 8 9 12
ring nodes:
1 2 3 4 5 6
chain bonds:
5-7 6-12 7-8 8-9
ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds:
1-2 1-6 2-3 3-4 4-5 5-6 6-12 8-9
exact bonds:
5-7 7-8
```

G1:H,F

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 12:CLASS

Generic attributes : 9:

Saturation : Unsaturated

L1 STRUCTURE UPLOADED

=> D L1 L1 HAS NO ANSWERS L1 STR

Structure attributes must be viewed using STN Express query preparation.

35 ANSWERS

=> S SSS SAM L1 SAMPLE SEARCH INITIATED 15:28:49 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 112995 TO ITERATE

1.8% PROCESSED 2000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**
BATCH **INCOMPLETE**
PROJECTED INERATIONS: 223759 TO 2279641
PROJECTED ANSWERS: 36877 TO 42211

L2 35 SEA SSS SAM L1

=> D SCAN

L2 35 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN 2,4-Pyrimidinediamine, N2-(3,4-dichlorophenyl)-N4-methyl-N4-[3-(4-pyridinyl)propyl]-5-(trifluoromethyl)-

MF C20 H18 C12 F3 N5

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=>

Uploading C:\Program Files\STNEXP\Queries\10559153A.str

H

CH210-3

Hy

PORTOR FILES\STNEXP\QUERIES\10559153A.str

```
7 8 9 12 13
ring nodes:
1 2 3 4 5 6
chain bonds:
5-7 5-13 6-12 7-8 8-9
ring bonds:
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds:
1-2 1-6 2-3 3-4 4-5 5-6 8-9
exact bonds:
5-7 5-13 6-12 7-8
```

J-7 J-13 0-12 7-0

chain nodes :

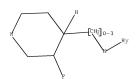
Match level : 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 12:CLASS 13:CLASS

Generic attributes : 9:

Saturation : Unsaturated

L3 STRUCTURE UPLOADED

=> D L3 L3 HAS NO ANSWERS L3 STR



Structure attributes must be viewed using STN Express query preparation.

=> S SSS SAM L3

SAMPLE SEARCH INITIATED 15:32:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1274 TO ITERATE

100.0% PROCESSED

PROJECTED ANSWERS:

1274 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 23339 TO 27621

T. 4

2 SEA SSS SAM L3

=> D SCAN

L4 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN

IN 1-Piperidinepropanenitrile, 3-fluoro-4-[(9-fluoro-1,2-dihydro-1-oxobenzo[c][1,6]naphthyridin-6-y1)amino]-β-oxo-, (3R,4S)-

2 TO

124

MF C20 H17 F2 N5 O2

Absolute stereochemistry.

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):1

- L4 2 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
- IN 4-Pyridazinecarboxamide, N-[3-fluoro-4-[[3-[[3R,4R]-3-fluoro-4piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]phenyl]-2-(4fluorophenyl)-2,3-dihydro-3-oxo-, rel-
- MF C28 H23 F3 N8 O3
- CI COM

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> S SSS FULL L3

FULL SEARCH INITIATED 15:32:39 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 25369 TO ITERATE

100.0% PROCESSED 25369 ITERATIONS SEARCH TIME: 00.00.01 104 ANSWERS

182.25

L5 104 SEA SSS FUL L3

=> FIL SAVE L5 TEMP NIGE10559153/A

'SAVE' IS NOT A VALID FILE NAME

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=> SAVE L5 TEMP NIGE10559153/A

ANSWER SET L5 HAS BEEN SAVED AS 'NIGE10559153/A'

=> FIL CAPLUS

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 182.04

FILE 'CAPLUS' ENTERED AT 15:33:52 ON 17 NOV 2008
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FILE COVERS 1907 - 17 Nov 2008 VOL 149 ISS 21 FILE LAST UPDATED: 16 Nov 2008 (20081116/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/legal/infopolicy.html

=> S L5

7 L5

=> D IBIB ABS HITSTR L6 1-7

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2008:1248220 CAPLUS Full-text

DOCUMENT NUMBER: 149:471456

TITLE: Preparation of imidazo[1,2-a]pyridine compounds as

receptor tyrosine kinase inhibitors

INVENTOR(S): Allen, Shelley; Greschuk, Julie Marie; Kallan,

Nicholas C.; Marmsaeter, Fredrik P.; Munson, Mark C.; Rizzi, James P.; Robinson, John E.; Schlachter,

Stephen T.; Topalov, George T.; Zhao, Qian;

Lyssikatos, Joseph P.

PATENT ASSIGNEE(S): Array Biopharma Inc., USA

SOURCE: PCT Int. Appl., 89pp.

Patent

CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE: English FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	ENT :	NO.			KIND DATE			- 2	APPL	ICAT:		DATE								
WO	WO 2008124323						2008	1016	WO 2008-US58395						20080327					
	W: AE, AG, AL,			AM,	AO,	AT,	AU,	AZ,	BA,	BB,	BG,	BH,	BR,	BW,	BY,	BZ,				
		CA,	CH,	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DO,	DZ,	EC,	EE,	EG,	ES,			
		FI,	GB,	GD,	GE,	GH,	GM,	GT,	HN,	HR,	HU,	ID,	IL,	IN,	IS,	JΡ,	KE,			
		KG,	KM,	KN,	KΡ,	KR,	ΚZ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LY,	MA,	MD,			
		ME,	MG,	MK,	MN,	MW,	MX,	MY,	ΜZ,	NA,	NG,	ΝI,	NO,	ΝZ,	OM,	PG,	PH,			
		PL,	PT,	RO,	RS,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SM,	SV,	SY,	TJ,	TM,			
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	RW:	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HR,	HU,			
		ΙE,	IS,	IT,	LT,	LU,	LV,	MC,	MT,	NL,	NO,	PL,	PT,	RO,	SE,	SI,	SK,			
		TR,	BF,	ΒJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,			
		TG,	BW,	GH,	GM,	KΕ,	LS,	MW,	ΜZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,			
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PRIORITY	IORITY APPLN. INFO.:										US 2007-909857P						P 20070403			

AB The title compds. with general formula I [wherein A = (un)substituted N- or Olinked heterocyclic ring; B = H, CN, OH, (un)substituted (hetero)aryl, etc.;
RI-R4 = independently H, F, Cl, CN, etc.; R9 = H, F, Cl, or Me; R5-R8 =
independently H, F, Cl, CN, or Me] or pharmaceutically acceptable salts
thereof were prepared as tyrosine kinase receptor inhibitors useful in the
treatment of diseases mediated by class 3 or class 5 tyrosine kinases
receptors. Particularly, compds. of this invention have been found to be
inhibitors of Pim-1. For example, compound II was prepared in a multi-step
synthesis. All the invention compds. were evaluated for their tyrosine kinase
receptor inhibitory activity. From the assay, it was determined that II and
all other tested compds. exhibited the IC50 values of < 10 µM against cellular
PDGFR.

IT 1070896-26-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of imidazo[1,2-a]pyridine compds. as receptor tyrosine kinase inhibitors)

RN 1070896-26-2 CAPLUS CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

IT 1070896-86-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of imidazo[1,2-a]pyridine compds. as receptor tyrosine kinase

inhibitors)

RN 1070896-86-4 CAPLUS

CN INDEX NAME NOT YET ASSIGNED

Relative stereochemistry.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2008:1122672 CAPLUS Full-text

DOCUMENT NUMBER: 149:378706

TITLE: Preparation of benzonaphthyridinones as inhibitors of

janus kinases and/or 3-phosphoinositide-dependent

protein kinase-1

INVENTOR(S): Kozina, Ekaterina; Dinsmore, Christopher; Siu, Tony; Young, Jonathan; Northrup, Alan; Altman, Michael;

Keenan, Kevin A.; Guerin, David J.; Jung, Joon O.;

Maccoss, Rachel N.; Kattar, Solomon

PATENT ASSIGNEE(S): Merck & Co., Inc., USA SOURCE: PCT Int. Appl., 248pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

	ENT 1				KIND DATE				1	APPL	ICAT	DATE					
WO 2008112217					A1		20080918		1	WO 2	008-		20080310				
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		ME,	MG,	MK,	MN,	MW,	MX,	MY,	MZ,	NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,
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		AM,	AZ,	BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM							
RITY APPLN. INFO.:					US 2007-906753P									P 20070313			

OTHER SOURCE(S): MARPAT 149:378706

- AB The title compds. I [D, E, G, J = CH, N or NO; Rl = H, alkyl, cycloalkyl, etc.; R2 = NR5R6, SR5, OR5, etc.; R3 = H, alkyl, cycloalkyl, etc.; R4 = H, alkyl; R5 = H, alkyl, cycloalkyl; A = H, alkyl, cycloalkyl, etc.; n = 0-3] that inhibit JAK2 tyrosine kinase and/or PDK1, were prepared and formulated. E.g., a multi-step synthesis of (IR)-II, starting from 4-bromobenzoyl chloride and diisopropylamine, was given. Compds. I are potent inhibitors of recombinant purified JAK2 kinase activity with an IC50 of approx. 0.1 nM 20 μM. The invention also provides for compns. comprising compds. I and methods of inhibiting JAK2 tyrosine kinase activity and/or PDK1 kinase inhibitory activity by administering the compound I to a patient in need of treatment or prevention of myeloproliferative disorders or cancer.
- T 1056128-21-4P

 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of benzonaohthyridinopes as inhibitors of janus kinases and/or

3-phosphoinositide-dependent protein kinase-1)

- RN 1058128-21-4 CAPLUS
- CN l-Piperidinecarboxylic acid, 4-[[4-(2-cyclopropylethynyl)-9-fluoro-1,2-dihydro-1-oxobenzo[c][1,6]naphthyridin-6-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4R)-rel (CR INDEX NAME)

1058126-37-6P 1058127-16-4P 1058128-22-5P

1059128-22-5P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(Uses)
(preparation of benzonaphthyridinones as inhibitors of janus kinases and/or 3-phosphoinositide-dependent protein kinase-1)

RN 1058125-85-1 CAPLUS

CN

Benzo[c][1,6]naphthyridin-1(2H)-one,

9-fluoro-6-[[(3R,4R)-3-fluoro-4-piperidinyl]amino]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1058126-35-4 CAPLUS

CN 1-Piperidinepropanenitrile, 3-fluoro-4-[(9-fluoro-1,2-dihydro-1oxobenzo[c][1,6]naphthyridin-6-yl)amino]-β-oxo-, (35,45)- (CA INDEX NAME)

Absolute stereochemistry.

RN 1058126-36-5 CAPLUS

CN Benzo[c][1,6]naphthyridin-1(2H)-one,

9-fluoro-6-[[(3R,4S)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1058126-37-6 CAPLUS

CN 1-Piperidinepropanenitrile, 3-fluoro-4-[(9-fluoro-1,2-dihydro-1-oxobenzo[c][1,6]naphthyridin-6-y1)amino]-β-oxo-, (3R,4S)- (CA INDEX NAME)

Absolute stereochemistry.

RN 1058127-16-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(9-fluoro-1,2-dihydro-4-iodo-1-oxobenzo[c][1,6]naphthyridin-6-yl)amino]-, 1,1-dimethylethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1058128-22-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(9-fluoro-1,2-dihydro-1-oxobenzo[c][1,6]naphthyridin-6-yl)amino]-, 1,1-dimethylethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1058128-23-6 CAPLUS

CN Benzo[c][1,6]naphthyridin-1(2H)-one,

4-(2-cyclopropylethynyl)-9-fluoro-6-[[(3R,4R)-3-fluoro-4piperidinyl]amino]-, rel- (CA INDEX NAME)

Relative stereochemistry.

REFERENCE COUNT: THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN 2008:853971 CAPLUS Full-text ACCESSION NUMBER:

DOCUMENT NUMBER: 149:176332

TITLE: Preparation of fused pyridine derivatives as JAK3 inhibitors for treatment of autoimmune disease,

leukemia, etc. INVENTOR(S): Shirakami, Shohei; Inoue, Takayuki; Mukoyoshi,

Koichiro; Nakajima, Yutaka; Usuda, Hiroyuki; Hamaguchi, Hisao; Higashi, Yasuyuki; Hatanaka, Keiko

PATENT ASSIGNEE(S): Astellas Pharma Inc., Japan

SOURCE: PCT Int. Appl., 130pp. CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PAT	ENT	NO.			KIND DATE					APPL	ICAT		DATE							
WO	WO 2008084861					31 20090717				W∩ 2	nns-		20080111							
WO	W: AE, AG, AL,													_						
	· ·						CU,													
							GM,													
		KG,	KM,	KN,	KP,	KR,	KZ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LY,	MA,	MD,			
		ME,	MG,	MK,	MN,	MW,	MX,	MY,	MZ,	NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,			
		PL,	PT,	RO,	RS,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SM,	SV,	SY,	TJ,	TM,			
		TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	ZA,	ZM,	ZW						
	RW:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HR,	HU,			
		IE,	IS,	IT,	LT,	LU,	LV,	MC,	MT,	NL,	NO,	PL,	PT,	RO,	SE,	SI,	SK,			
		TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,			
		TG,	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,			
		AM,	AZ,	BY,	KG,	KZ,	MD,	RU,	TJ,	TM										
PRIORITY	RIORITY APPLN. INFO.:										JP 2007-5236						A 20070112			

OTHER SOURCE(S): MARPAT 149:176332

- AR The title compds. I [R1 = H, oxo; R3 = (alkyl-substituted) carbamoyl, (alkylsubstituted) oxadiazolv1; R21 = H; or R21 may together with R3 form O1, O2, Q3, etc.; Ra = H, alkyl; Rb = H, alkyl; Rc = H, alkyl, alkyl-O-alkyl; R22 = (un) substituted 5- to 7-membered N-containing heterocycloalkyl, cycloalkyl, benzyl, etc.; Y = N, CH, CH2; the dotted line together with the solid line indicates a single or double bond : when one set of dotted line and solid line indicates a single bond, the other set of dotted line and solid line indicates a double bond] are prepared Thus, 4-([1-(5-cyanopyrimidin-2-yl)piperidin-4yl]amino)-1H-pyrrolo[2,3-b]pyridine-5-carboxamide was prepared from 4-([1-(5bromopyrimidin-2-yl)piperidin-4-yl]amino)-1H-pyrrolo[2,3-b]pyridine-5carboxamide. In an assay for JAK3 inhibiting activity, compds. of this invention showed IC50 values of 0.3 nM to 10 nM.
- 1039740-35-6P 1039740-37-8P 1039740-39-0P 1039740-40-3P 1039740-41-4P 1039740-42-5P RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of fused pyridine derivs. as JAK3 inhibitors)
 - 1039740-35-6 CAPLUS
- RN
- 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R, 4S)-3-fluoro-1-[5-(trifluoromethyl)-2-pyridinyl]-4piperidinvl]amino]-, rel- (CA INDEX NAME)

RN 1039740-37-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4S)-3-fluoro-1-(5-fluoro-2-pyridinyl)-4-piperidinyl]amino]-, rel-(CA INDEX NAMB)

Relative stereochemistry.

RN 1039740-39-0 CAPLUS

CN 1H-Pyrrolo(2,3-b)pyridine-5-carboxamide, 4-[(3R,4S)-1-(4-cyanophenyl)-3-fluoro-4-piperidinyl)amino]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1039740-40-3 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4\$)-1-[(cyanomethyl)methylamino]carbonyl]-3-fluoro-4piperidinyl]amino]-, rel- (CA INDEX NAME)

RN 1039740-41-4 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[((3R,46)-1-(5-cyano-2-pyraziny1)-3-fluoro-4-piperidiny1]amino]-, rel-(CA INDEX NAME)

Relative stereochemistry.

RN 1039740-42-5 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4S)-1-(5-cyano-2-pyrimidinyl)-3-fluoro-4-piperidinyl]amino]-, rel-(CA INDEX NAME)

IT 1639738-45-8P 1039738-46-9P 1039738-50-5P 1039738-55-9P 1035738-55-9P 1039738-57-2P 1039738-67-2P 1039738-69-9P 1039738-69-9P 1039738-99-9P 1039738-99-9P 1039738-99-9P 1039739-64-8P

1039739-90-6P 1039739-91-7P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of fused pyridine derivs. as JAK3 inhibitors)

RN 1039738-45-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide,

4-[[(3R,4S)-1-(6-cyano-3-pyridazinyl)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-46-9 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4S)-1-(5-cyano-2-pyridinyl)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-50-5 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4R)-1-(5-cyano-2-pyridiny1)-3-fluoro-4-piperidiny1]amino]- (CA INDEX NAME) Absolute stereochemistry.

RN 1039738-53-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4S)-1-(5-cyano-2-thiazolyl)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-55-0 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[[(3R,4S)-3-fluoro-1-[6-(trifluoromethyl)-3-pyridazinyl]-4piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-57-2 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(1-(5-cyano-2-pyridinyl)-3,3-difluoro-4-piperidinyl]amino]- (CA INDEX NAME)

RN 1039738-60-7 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3S,4R)-1-(5-cyano-2-pyridinyl)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-62-9 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(33,4R)-1-(6-cyano-3-pyridaziny1)-3-fluoro-4-piperidiny1]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN

1039738-64-1 CAPLUS 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, CN 4-[[(3R,4S)-1-(4-cyanophenyl)-3-fluoro-4-piperidinyl]amino]- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039738-79-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[[(3R,4S)-1-(6-cyano-3-pyridazinyl)-3-fluoro-4-piperidinyl]amino]-, rel-(CA INDEX NAME)

RN 1039739-42-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,46)-1-(5-cyano-2-pyridiny1)-3-fluoro-4-piperidiny1]amino]-, rel-(CA INDEX NAME)

Relative stereochemistry.

- RN 1039739-84-8 CAPLUS
- CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3R,4R)-1-(5-cyano-2-pyridiny1)-3-fluoro-4-piperidiny1]amino]-, rel-(CA INDEX NAME)

Relative stereochemistry.

- RN 1039739-90-6 CAPLUS
- CN 1H-Pyrrolo(2,3-b)pyridine-5-carboxamide,
 4-[(3R,4S)-3-fluoro-1-[6-(trifluoromethyl)-3-pyridazinyl]-4piperidinyl]amino]-, rel- (CA INDEX NAME)

RN 1039739-91-7 CAPLUS

1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, CN 4-[[(3R,4S)-1-(5-cyano-2-thiazoly1)-3-fluoro-4-piperidiny1]amino]-, rel-(CA INDEX NAME)

Relative stereochemistry.

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1039740-50-5P 1039740-52-7P 1039740-54-9P
1039749-75-4P 1039740-76-5P 1039740-79-8P
1039741-09-7P 1039741-18-8P 1039741-23-5P
1039741-25-7P 1039741-29-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
   (preparation of fused pyridine derivs. as JAK3 inhibitors)
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1039738-35-6 CAPLUS

1039738-35-6P 1039740-43-6P 1039740-45-8P 1039740-46-9P 1039740-48-1P 1039740-49-2P

RN CN

ΙT

1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[[(3R,4S)-3-fluoro-4-piperidinyl]amino]-, rel- (CA INDEX NAME)

RN 1039740-43-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[5-(aminocarbonyl)-1H-pyrrolo[2,3-b]pyridin-4-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4S)-rel-(CA INDEX NAME)

Relative stereochemistry.

- RN 1039740-45-8 CAPLUS
- CN 1-Piperidinecarboxylic acid, 4-[[5-(aminocarbonyl)-1H-pyrrolo[2,3-b]pyridin-4-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4S)- (CA INDEX NAME)

Absolute stereochemistry.

- RN 1039740-46-9 CAPLUS
- $\begin{array}{ll} \text{CN} & \text{1H-Pyrrolo[2,3-b]pyridine-}5-\text{carboxylic acid,} \\ & 4-[[(3R,4S)-1-[(1,1-\text{dimethylethoxy})\text{carbonyl}]-3-\text{fluoro-}4-\text{piperidinyl}]\text{amino}]-\\ \end{array}$

, ethyl ester, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1039740-48-1 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid, 4-[(3R,4S)-1-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 1039740-49-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[5-(aminocarbonyl)-1H-pyrrolo[2,3-b]pyridin-4-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3S,4R)- (CA INDEX NAME)

Absolute stereochemistry.

RN 1039740-50-5 CAPLUS

CN H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid, 4-[(3R,4R)-1-(11,1-dimethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino]-, ethyl ester, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 1039740-52-7 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid, 4-[[(35,4R)-1-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.

RN 1039740-54-9 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[[3,3-difluoro-1-(phenylmethyl)-4-piperidinyl]amino]- (CA INDEX NAME)

RN 1039740-75-4 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid,
4-[(3R,48)-1-[(1,1-d)imethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino](CA INDEX NAME)

Absolute stereochemistry.

RN 1039740-76-5 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid, 4-[(3S,4R)-1-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino]-(CA INDEX NAME)

Absolute stereochemistry.

RN 1039740-79-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxylic acid, 4-[(3R,4S)-1-[(1,1-dimethylethoxy)carbonyl]-3-fluoro-4-piperidinyl]amino]-, rel- (CA INDEX NAME) Relative stereochemistry.

RN 1039741-09-7 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3,3-difluoro-4-piperidinyl)amino]- (CA INDEX NAME)

RN 1039741-18-8 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[[(3R,4R)-3-fluoro-4-piperidinyl]amino]-, hydrochloride (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

2 HC1

RN 1039741-23-5 CAPLUS

CN lH-Pyrrolo[2,3-b]pyridine-5-carboxamide, 4-[(3\$, 4\$)-3-fluoro-4-piperidiny1]amino]-, hydrochloride (1:2) (CA INDEX NAME)

Absolute stereochemistry.

●2 HC1

RN 1039741-25-7 CAPLUS

CN 1H-Pyrrolo[2,3-b]pyridine-5-carboxamide,
4-[(3R,48)-3-fluoro-4-piperidinyl]amino]-, hydrochloride (1:2) (CA INDEX NAME)

Absolute stereochemistry.

●2 HC1

RN 1039741-29-1 CAPLUS

CN 1-Piperidinearboxylic acid, 4-[[5-(aminocarbonyl)-1H-pyrrolo[2,3-b]pyridin-4-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4R)-rel-(CA INDEX NAME)

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2007:1028755 CAPLUS Full-text

DOCUMENT NUMBER: 147:365493

TITLE: Heterobicyclic pyrazole compounds as Met tyrosine kinase inhibitors and their preparation and use

INVENTOR(S): Blake, James F.; Boyd, Steven Armen; Cohen, Frederick;

De Meese, Jason; Fong, Kin Chiu; Gaudino, John J.; Kaplan, Tomas; Marlow, Allison L.; Seo, Jeongbeob; Thomas, Allen A.; Tian, Honggi; Young, Wendy B.

Array Biopharma Inc., USA; Genentech, Inc. PATENT ASSIGNEE(S):

SOURCE: PCT Int. Appl., 273 pp.

CODEN: PIXXD2 DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PA	TENT :	NO.			KIND DATE				1	APPL	ICAT	ION	DATE					
WO	2007	1033	08		A2 200709			0913	1	WO 2	007-		20070306					
WO	2007103308						20080207											
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		KP,	KR,	KZ,	LA,	LC,	LK,	LR,	LS,	LT,	LU,	LY,	MA,	MD,	MG,	MK,	MN,	
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		GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	
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US	2007	0238	726		A1		2007	1011	1	US 2	007-	7143	42		2	0070	306	
PRIORIT					1	US 2006-779805P					P 20060307							
									1	US 2	006-	8748	32P	1	P 2	0061	214	
					1	7O 2	007-	JS55	83	1	7 2	0070	306					

OTHER SOURCE(S): MARPAT 147:365493

GT

AB The invention is related to the preparation of I and II [X = 0, S, NH and derivs.; Z2, Z3 = independently CH and derivs., N, wherein none or one of Z2, and Z3 = N; R1 = H, (un)substituted alk(en/yn)yl, (hetero)aryl, etc.; R2 = H, CF3, CN, SH and derivs., SO2NH2 and derivs., etc.; R3 = (un)substituted carbocyclyl, heterocyclyl, (hetero)/aryl] and their pharmaceutically acceptable salts which are useful for inhibiting receptor tyrosine kinases and for treating disorders mediated thereby. Methods of using compds. I and II and their stereoisomers, geometric isomers, tautomers, solvates, metabolites and pharmaceutically acceptable salts, for in vitro, in situ, and in vivo diagnosis, prevention or treatment of such disorders in mammalian cells, or associated pathol. conditions are disclosed. Thus, pyrazolopyridine III was prepared by a multi-step synthesis via 1-(4-methoxybenzyl)-1H-pyrazolo[3,4b|pyridin-4-ol intermediate which was obtained from 1-(4-methoxybenzyl)-1Hpyrazol-5-amine and Meldrum's acid. Certain I and II had IC50's < 1 μM in a c-Met enzyme assav.

IT 949559-96-0P 949559-99-3P 949560-05-8P 949560-09-2P 949560-33-2P 949560-35-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

(drug candidate; preparation of heterobicyclic pyrazole compds. as Met tyrosine kinase inhibitors useful in the treatment of diseases) 949559-96-0 CAPLUS

4-Pyridazinecarboxamide, N-[3-fluoro-4-[[3-[[(3R,4S)-3-fluoro-4-piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]phenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, hydrochloride (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

RN

CN

RN 949559-99-3 CAPLUS

CN 4-Pyridazinecarboxamide, N-[3-fluoro-4-[[3-[[(3R,4R)-3-fluoro-4piperidiny]]amino]-1H-pyrazolo[3,4-b]pyridin-4-y1]oxy]pheny1]-2-(4fluoropheny1)-2,3-dihydro-3-oxo-, hydrochloride (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

RN 949560-05-8 CAPLUS

CN 4-Pyridazinecarboxamide, N-[4-[[3-[[(3R,4S)-1-ethyl-3-fluoro-4piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]-3-fluorophenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, hydrochloride (1:2), rel-(CA INDEX NAME)

2 HCl

RN 949560-09-2 CAPLUS

CN 4-Pyridazinecarboxamide, N-[4-[[3-[[(3R,4R)-1-ethyl-3-fluoro-4piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]-3-fluorophenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, hydrochloride (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

RN 949560-33-2 CAPLUS

CN 2-Pyrazinecarboxamide, N-[3-fluoro-4-[[3-[[(3R,4S)-3-fluoro-4-piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-y1]oxy]phenyl]-4-(4-fluorophenyl)-3,4-dihydro-3-oxo-, hydrochloride (1:2), rel- (CA INDEX NAME)

HC1

RN 949560-35-4 CAPLUS

CN 2-Pyrazinecarboxamide, N-[3-fluoro-4-[[3-[[(3R,4R)-3-fluoro-4piperidinyl]amino]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]phenyl]-4-(4fluorophenyl)-3,4-dihydro-3-oxo-, hydrochloride (1:2), rel- (CA INDEX NAME)

Relative stereochemistry.

2 HC1

949559-97-1P 949559-98-2P 949560-00-3P

949560-01-4P 949560-07-0P 949560-08-1P

949560-11-6P 949560-12-7P 949560-34-3P 949560-36-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

(Reactant or reagent) (intermediate; preparation of heterobicyclic pyrazole compds. as Met

tyrosine kinase inhibitors useful in the treatment of diseases) 949559-97-1 CAPLUS

RN

ĊN 1-Piperidinecarboxylic acid, 4-[[4-(4-amino-2-fluorophenoxy)-1-[(4methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4S)-rel- (CA INDEX NAME)

RN 949559-98-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[[4-[2-fluoro-4-[[2-(4-fluorophenyl)-2,3-dihydro-3-oxo-4-pyridazinyl]carbonyl]amino]phenoxy]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-, 1,1-dimethylethyl ester, (3R,45)-rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-B

-OBu-t

RN 949560-00-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 4-[[4-(4-amino-2-fluorophenoxy)-1-[(4-

methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-3-fluoro-, 1,1-dimethylethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

- RN 949560-01-4 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[[4-[2-fluoro-4-[[2-(4-fluorophenyl)-2,3-dihydro-3-oxo-4-pyridazinyl]carbonyl]amino]phenoxy]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-, 1,1-dimethylethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-B

RN 949560-07-0 CAPLUS

CN 4-Pyridazinecarboxamide, N-[3-fluoro-4-[[3-[[3R,4S)-3-fluoro-4-piperidinyl]amino]-1-[(4-methoxyphenyl)methyl]-H-pyrazolo[3,4-b]pyridin-4-yl]oxy]phenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, rel-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)

CM :

CRN 949560-06-9

CMF C36 H31 F3 N8 O4

Relative stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 949560-08-1 CAPLUS

N 4-Pyridazinecarboxamide, N-[4-[[3-[[(3R,4S)-1-ethyl-3-fluoro-4-piperidinyl]mino]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]-3-fluorophenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, rel- (CA INDEX NAME)

RN 949560-11-6 CAPLUS

CN 4-Pyridazinecarboxamide, N-[3-fluoro-4-[[3-[[(3R,4R)-3-fluoro-4-piperidiny]]amino]-1-[(4-methoxypheny]]methyl]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]phenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, rel-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)

CM 1

CRN 949560-10-5 CMF C36 H31 F3 N8 O4

Relative stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 949560-12-7 CAPLUS

CN 4-Pyridazinecarboxamide, N-[4-[[3-[[3-[(3R,4R)-1-ethyl-3-fluoro-4-piperidinyl]amino]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-4-yl]oxy]-3-fluorophenyl]-2-(4-fluorophenyl)-2,3-dihydro-3-oxo-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 949560-34-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[[4-[2-fluoro-4-[[4-(4-fluorophenyl)-3,4-dihydro-3-oxo-2-pyrazinyl]carbonyl]amino]phenoxy]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-,
1,1-dimethylethyl ester, (3R,4S)-rel- (CA INDEX NAME)

→ OBu-t

- RN 949560-36-5 CAPLUS
- CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[[4-[2-fluoro-4-[[4-(4-fluorophenyl)-3,4-dihydro-3-oxo-2-pyrazinyl]carbonyl]amino]phenoxy]-1-[(4-methoxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridin-3-yl]amino]-, 1,1-dimethylethyl ester, (3R,4R)-rel- (CA INDEX NAME)

Relative stereochemistry.

PAGE 1-B

—oBu−t

ACCESSION NUMBER: 2006:1124432 CAPLUS Full-text

DOCUMENT NUMBER: 145:455026

TITLE: N-alkyl-azacycloalkyl compounds as NMDA/NR2B antagonists and their preparation, pharmaceutical compositions, and use in the treatment of various

compositi diseases

INVENTOR(S): Layton, Mark E.; Rodzinak, Kevin J.; Kelly, Michael

J., III; Sanderson, Philip E.

Patent

PATENT ASSIGNEE(S): Merck & Co., Inc., USA SOURCE: PCT Int. Appl., 88pp.

GOURCE: PCT Int. Appl. CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

	PAT	ENT I				KIN		DATE			APPL	D.	DATE							
		2006	A2		2006 2007			WO 2	006-	20060414										
		W:	AE.	AG.	AL.	AM.	AT.	AU,	AZ.	BA.	BB.	BG.	BR.	BW.	BY.	BZ.	CA.	CH.		
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	AU	2006	2366:	25		A1		2006	1026		AU 2	006-		20060414						
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			IS,	IT,	LI,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	AL,		
			BA,	HR,	MK,	YU														
	JP 2008536927							2008	0911		JP 2	008-	5077	51		2	0060	414		
	IN	2007	CN04	217		A		2007	1221		IN 2007-CN4217						20070924			
	CN 101163482							2008	0416		CN 2006-80012726						20071017			
PRIOR	PRIORITY APPLN. INFO.:										US 2	005-	6726	39P		P 2	0050	419		
											WO 2006-US14139						W 20060414			

OTHER SOURCE(S): MARPAT 145:455026

GI

AB Compds, represented by formula I: and/or pharmaceutically acceptable salts, individual enantiomers and stereoisomers thereof, are effective as NMDA/NR2B antagonists useful for treating conditions such as pain, Parkinson's disease, Alzheimer's disease, epilepsy, depression, anxiety, ischemic brain injury including stroke. Compds. of formula I wherein W is (un)substituted (hetero)arv1; X is absent and (un)substituted C1-4 alkoxy and (un)substituted C1-3 alkyl; A is a bond and (un)substituted C2-3 alkyl, etc.; B is (un) substituted C1 alkvl, etc.; R1 and R2 are independently H and C1-3 alkvl; R3 and R4 are independently H, OH, CN and (un)substituted C1-3 alkyl, etc.; and their pharmaceutically acceptable salts, enantiomers and stereoisomers thereof are claimed. Example compound II was prepared by alkylation of tert-Bu pyrrolidin-3-ylcarbamate with [(2-bromoethoxy)methyl]benzene; the resulting tert-Bu [1-[2-(benzyloxy)ethyl]pyrrolidin-3-yl]carbamate underwent hydrolysis to give 1-[2-(benzyloxy)ethyl]pyrrolidin-3-amine, which underwent coupling with 4-chloro-1-(tetrahydropyran-2-v1)-1H-pyrazolo[3,4-d]pyrimidine to give compound II. All the invention compds. were evaluated for their NMDA/NR2B antagonistic activity.

IT 913574-47-7P 913574-48-8P 913574-49-9P 913574-50-2P 913574-51-3P 913574-52-4P 913574-56-9P 913574-55-7P 913574-56-8P 913574-66-0P 913574-67-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of N-alkyl-azacycloalkyl as NMDA/NR2B antagonists useful in treatment of diseases)

RN 913574-47-7 CAPLUS CN 1H-Pyrazolo[3,4-d]p

1H-Pyrazolo[3,4-d]pyrimidin-4-amine,

N-[(3R,4R)-3-fluoro-1-(2-phenylethyl)-4-piperidinyl]-, rel- (CA INDEX NAME)

RN 913574-48-8 CAPLUS

CN lH-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,45)-3-fluoro-1-(2-phenylethyl)-4-piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 913574-49-9 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,4R)-3-fluoro-1-[2-(4-methylphenyl)ethyl]-4-piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 913574-50-2 CAPLUS

CN 1H-Pyracolo[3,4-d]pyrimidin-4-amine, N-[(3R,45)-3-fluoro-1-[2-(4-methylphenyl)ethyl]-4-piperidinyl]-, rel- (CA INDEX NAME)

RN 913574-51-3 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,4R)-3-fluoro-1-(2-fluoro-2-phenylethyl)-4-piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 913574-52-4 CAPLUS

CN 1R-Pyrazolo[3, 4-d]pyrimidin-4-amine, N-[(3R,4R)-1-(2,2-difluoro-2-phenylethyl)-3-fluoro-4-piperidinyl]-, rel-(CA INDEX NAME)

Relative stereochemistry.

RN 913574-53-5 CAPLUS

CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,45)-1-(2,2-difluoro-2-phenylethyl)-3-fluoro-4-piperidinyl]-, rel-(CA INDEX NAME)

- RN 913574-54-6 CAPLUS
- CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,4R)-1-[2,2-difluoro-2-(4-methylphenyl)ethyl]-3-fluoro-4piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

- RN 913574-55-7 CAPLUS
- CN 1H-Pyracolo[3,4-d]pyrimidin-4-amine, N-[(3R,4R)-1-[2,2-difluoro-2-[4-(trifluoromethyl)phenyl]ethyl]-3-fluoro-4piperidinyl]-, rel- (CA INDEX NAME)

- RN 913574-56-8 CAPLUS
- CN 1H-Pyrazolo[3,4-d]pyrimidin-4-amine, N-[(3R,4S)-1-[2,2-difluoro-2-[4-(trifluoromethy1)pheny1]ethy1]-3-fluoro-4-

piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 913574-66-0 CAPLUS

CN 1H-Pyrazolo[3, 4-d]pyrimiddin-4-amine, N-[(3R,4R)-1-[2-[4-(difluoromethyl)phenyl]-2,2-difluoroethyl]-3-fluoro-4piperidinyl]-, rel- (CA INDEX NAME)

Relative stereochemistry.

RN 913574-67-1 CAPLUS

 ${\tt CN} \qquad {\tt 1H-Pyrazolo[3,4-d]pyrimidin-4-amine,}$

N-[(3R,4R)-3-fluoro-1-[2-[4-(trifluoromethyl)phenyl]ethyl]-4-piperidinyl]-, rel- (CA INDEX NAME)

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2006:630453 CAPLUS Full-text DOCUMENT NUMBER: 145:103564

TITLE: Process for preparation of chiral piperidines via

asymmetric hydrogenation of dehydropiperidines using

metal chiral phosphine catalyst complexes. INVENTOR(S): Nelson, Todd D.; Kress, Michael H.; Krska, Shawn W.;

Mitten, Jeffrey V.; Sun, Yongkui

Merck & Co., Inc., USA PATENT ASSIGNEE(S): SOURCE: PCT Int. Appl., 45 pp.

CODEN: PIXXD2 DOCUMENT TYPE: Patent

LANGUAGE: English FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

				KIND DATE														
				A1 20060629														
W:	W: AE, AG, AL,				AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,		
	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,		
	GE, GH, GM,						IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,	KP,	KR,		
	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,		
	MZ, NA, NG,				NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,		
	SG,	SK,	SL,	SM,	SY,	TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,		
	VN,	YU,	ZA,	ZM,	ZW													
RW	: AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,		
	IS,	IT,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	BJ,		
	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG,	BW,	GH,		
	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,		
	KG,	KZ,	MD,	RU,	TJ,	TM												
AU 200	531901	71		A1		2006	0629		AU 2	005-		2	0051	221				
CA 259	1738			A1		2006	0629		CA 2	005-		20051221						
EP 183	8673			A1		2007	1003		EP 2	005-		20051221						
R:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,		
	IS,	IT,	LI,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR			
CN 101	084193	1		A		2007	1205		CN 2	005-		20051221						
														20051221				
IN 200	IN 2007CN02318								IN 2	007-	CN23	18						
US 200	US 20080086006								US 2	007-	7939	44						
PRIORITY AF						US 2	004-	6381	57P		P 2	0041	222					
						WO 2	005-	US46	718		W 2	0051	221					
OTHER SOURCE	E(S):	CASREACT 145:103564; MARPAT 145:103564																
GI																		

AB Title compds. [I; R1 = halo, O, CONH2, N, S, Si, (substituted) alkyl, aryl; R2 = 0, amino, halo, CONH2, N, S, (substituted) alky1; R3 = S, (substituted)

alkyl, aryl, P, Si, PhCH2, CBZ, carbamate, alkylaryl, aryloxycarbonyll, were prepared by asym. reduction of dehydropiperidines (II; variables as above) in the presence of metal precursors complexed to mono- or biphosphine ligands. Thus, II.HCl (RI = F; R2 = 4-CH2OH; R3 = PhCH2) (preparation given) was hydrogenated in CH2Cl2 in the presence of (R,R)-Walphos and [COD)RhCl]2 under 85 psig H2 at 50° for 18.75 h to give 74.4% title compound (III).

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of chiral piperidines via asym. hydrogenation of dehydropiperidines using metal chiral phosphine catalyst complexes) 808733-05-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, (3R,4S)-rel- (CA INDEX NAME)

Relative stereochemistry.

IΤ

RN

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2008 ACS on STN ACCESSION NUMBER: 2004:1080888 CAPLUS Full-text

DOCUMENT NUMBER: 142:56340

TITLE: 4-Heteroarylamino-substituted 3-fluoro-piperidines as NMDA/NR2B antagonists, and their preparation,

pharmaceutical compositions, and methods of use Liverton, Nigel J.; Claiborne, Christopher F.;

Claremon, David A.; McCauley, John A.

PATENT ASSIGNEE(S): Merck & Co., Inc., USA

SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

INVENTOR(S):

PATENT NO.					KIN	D	DATE			APPL	ICAT	DATE					
						-											
WO	WO 2004108705					A1 200412				WO 2		20040528					
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
		ΑZ,	BY,	KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,

	SI	,	SK,	TR,	BF,	BJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,			
	SN	, :	TD,	TG																
AU	2004245	52	2		A1		2004	1216		AU 2	2004-	2455	22		20040528					
CA	2527093				A1		2004	1216		CA 2	2004-	2527	093	20040528						
EP	1648882				A1		2006	0426		EP 2	2004-	7538	96		20040528					
EP	1648882				В1		2008	0806												
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	IB	, :	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	PL,	SK,	HR		
BR	2004010	83	7		A		2006	0627		BR 2	2004-	1083	7	20040528						
CN	1798744	A		2006	0705		CN 2	2004-	8001	5322	20040528									
JP	2006526	T		2006	1124		JP 2	2006-	5150	51		2	0040	528						
JP	3927228	;			В2		2007	0606												
AT	403651				T		2008	0815		AT 2	2004-	7538	96	20040528			528			
MX	2005PA1	31	51		A		2006	0317		MX 2	2005-	PA13	151	20051202						
IN	2005DN0	59.	51		A		2008	0509		IN 2	2005-	DN59	51		2	0051	220			
NO	2006000	02	0		A		2006	0303		NO 2	2006-	20			2	0060	103			
PRIORIT	APPLN.	I	NFO.	:						US 2	2003-	4759	38P		P 2	00306	604			
										WO 2	2004-	US17	175		W 2	0040	528			
OTHER SO	OURCE(S)	:			MARI	PAT	142:	5634	0											

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

- AB Title compds. I and their pharmaceutically acceptable salts are disclosed [wherein: HetAr is a 5- or 6-membered heteroarom, ring containing 1 or 2 N ring atoms, thiazolyl, or thiadiazolyl; HetAr is optionally substituted with 1 or 2 substituents, each substituent independently is C1-4 alkyl, F, C1, Br, or iodo; A is a bond or C1-2 alkylene; and B is aryl-(CH2)0-30C(O)-, indanyl-(CH2) 0-30C(0)-, aryl-(CH2) 1-3C(0)-, arylcyclopropyl-C(0)-, or aryl-(CH2) 1-3NHC(0)-, wherein any aryl is optionally substituted by 1-5 substituents, each substituent is independently C1-4 alkyl, F, or C1]. I are effective as NMDA NR2B antagonists, useful for treating conditions such as, for example, Parkinson's disease, Alzheimer's disease, migraine, epilepsy and pain. Seven specific examples are claimed, and these plus various salts were prepared For instance, invention compound II was prepared in 8 steps: (1) coupling of CDI with 4-MeC6H4CH2OH and 4-piperidone HCl; (2) α-fluorination of the piperidone carbonyl; (3) Witting reaction of the piperidone carbonyl with Ph3P:CHCO2Et; (4) stereoselective reduction of the resulting olefin to give primarily cisisomeric ester III; (5) alkaline saponification of the Et ester; (6) conversion of the resulting acid to an amine with diphenylphosphoryl azide; (7) heteroarylation of the amine with 2-chloropyrimidine; and (8) chiral HPLC. In both (1) a cell-based functional assay to determine IC50 for inhibition of NR1A/NR2B receptors in Ltk- cells, and (2) a radioligand binding assay using tritiated AMD-2 (preparation given) to determine Ki, compds. I had values of less than 50 uM, with these values advantageously being even lower than 0.1
- II 808732-98-PP, (-)-(3S,4R)-4-Methylbenzyl
 3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic
 preparation); THU (Therapeutic use); BIOL (Biological study); PREP
 (Preparation); RACT (Reactant or reagent); USES (Uses)

(drug candidate; preparation of heteroarylamino-substituted fluoropiperidines as NMDA/NR2B receptor antagonists)

RN 808732-98-1 CAPLUS CN 1-Piperidinecarboxy

1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, (3S,4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

```
808732-99-2P, (+)-(3R,4S)-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-vlamino)methyl]piperidine-1-carboxylate
808733-00-8P, (-)-trans-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
808733-01-9P, (+)-trans-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
808733-02-0P, (-)-N-[[(3S,4R)-cis-3-Fluoro-1-[((1R,2R)-2-
phenylcyclopropyl)carbonyl]piperidin-4-yl]methyl]pyrimidin-2-amine
808733-03-1P, (-)-cis-4-Methylbenzyl
3-fluoro-4-[(1,3,4-thiadiazol-2-ylamino)methyl]piperidine-1-carboxylate
808733-04-2P, (+)-trans-4-Methylbenzyl
3-fluoro-4-[(1,3,4-thiadiazol-2-ylamino)methyl]piperidine-1-carboxylate
808733-05-3P, cis-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
808733-06-4P, (-)-(3S,4R)-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
hydrochloride 808733-07-5P, (+)-(3R,4S)-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
hydrochloride 808733-08-6P, (-)-trans-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-ylamino)methyl]piperidine-1-carboxylate
hydrochloride 808733-09-7F, (+)-trans-4-Methylbenzyl
3-fluoro-4-[(pyrimidin-2-vlamino)methyl]piperidine-1-carboxylate
hydrochloride 808733-10-0P.
(-)-N-[[(3S,4R)-cis-3-Fluoro-1-[((1R,2R)-2-
phenylcyclopropyl)carbonyl]piperidin-4-yl]methyl]pyrimidin-2-amine
hydrochloride 308733-11-1P, (-)-cis-4-Methylbenzyl
3-fluoro-4-[(1,3,4-thiadiazol-2-ylamino)methyl]piperidine-1-carboxylate
hydrochloride
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
   (drug candidate; preparation of heteroarylamino-substituted
   fluoropiperidines as NMDA/NR2B receptor antagonists)
```

1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-,

(4-methylphenyl)methyl ester, (3R,4S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

808732-99-2 CAPLUS

RN

CN

RN 808733-00-8 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, (3S,4S)-rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

RN 808733-01-9 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, (3R,4R)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

RN 808733-02-0 CAPLUS

CN Methanone, [(3S,4R)-3-fluoro-4-[(2-pyrimidinylamino)methyl]-1piperidinyl][(1R,2R)-2-phenylcyclopropyl]- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 808733-03-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(1,3,4-thiadiazo1-2-ylamino)methyl]-, (4-methylphenyl)methyl ester, (35,4R)-rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

RN 808733-04-2 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(1,3,4-thiadiazol-2-ylamino)methyl]-, (4-methylphenyl)methyl ester, (3R,4R)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

RN 808733-05-3 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, (3R,4S)-rel- (CA INDEX NAME)

RN 808733-06-4 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, hydrochloride (1:1), (3S,4R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

● HC1

RN 808733-07-5 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, hydrochloride (1:1), (3R,4S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

HC1

RN 808733-08-6 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, hydrochloride (1:1), (35,45)-rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

•

RN 808733-09-7 CAPLUS

2N 1-Piperidinecarboxylic acid, 3-fluoro-4-[(2-pyrimidinylamino)methyl]-, (4-methylphenyl)methyl ester, hydrochloride (1:1), (3R,4R)-rel-(+)- (CA INDEX NAME)

Rotation (+). Absolute stereochemistry unknown.

RN 808733-10-0 CAPLUS

NM Methanone, [(3S,4R)-3-flooro-4-[(2-pyrimidinylamino)methyl]-1piperidinyl][(1R,2R)-2-phenylcyclopropyl]-, hydrochloride (1:1) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

HC1

RN 808733-11-1 CAPLUS

CN 1-Piperidinecarboxylic acid, 3-fluoro-4-[(1,3,4-thiadiazol-2ylamino)methyll-, (4-methylphenyl)methyl ester, hydrochloride (1:1), (35,48)-rel-(-)- (CA INDEX NAME)

Rotation (-). Absolute stereochemistry unknown.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> LOGOFF Y COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 39.11 221.36 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE -5.60 -5.60

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